

ELRO DV477IP2

ELRO DV477IP2 WiFi IP Video Intercom System

User Manual

1. INTRODUCTION

The ELRO DV477IP2 is an advanced WiFi IP video intercom system designed for two-family homes or apartments sharing a single entrance. This comprehensive system allows you to see, hear, and speak with visitors at your door, whether you are at home or away, via the included 7-inch color monitors or the dedicated ELRO Intercom smartphone application.

Equipped with ELRO Color Night Vision technology and a durable, vandal-proof outdoor unit, the DV477IP2 ensures clear visibility even in low-light conditions. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and security for your home.

2. PRODUCT OVERVIEW

The ELRO DV477IP2 system includes the following main components:

- **Outdoor Unit:** A fully metallic, vandal-proof doorbell unit with two push buttons, an integrated camera, microphone, speaker, and bright white LEDs for color night vision. It also features a rain protection cover.
- **Indoor Monitors (x2):** Two 7-inch (18 cm) color screens with a high-quality brushed aluminum housing. These monitors allow for live viewing, two-way communication, and control of door openers.
- **ELRO Intercom App:** A free mobile application for iOS and Android devices that extends the system's functionality to your smartphone or tablet, enabling remote viewing, communication, and recording.

2.1 Package Contents

- 1x Waterproof Doorbell with 2 Push Buttons and Rain Hood
- 2x 7-inch Color Monitor
- 2x Monitor Mounting Bracket
- 2x 15-meter 4-wire Cable
- 2x Power Adapter
- Mounting Hardware (screws, anchors)
- User Manual

2.2 Component Identification



Figure 2.1: Overview of the ELRO DV477IP2 system, showing the outdoor unit, two indoor monitors, and the smartphone app interface.

Hauteur de montage 1,35 - 1,7m



Figure 2.2: Detailed view of the outdoor unit, highlighting the microphone, camera, night vision LEDs, speaker, and illuminated call buttons with nameplate area.



Figure 2.3: Front view of the indoor monitor, showing the 7-inch screen and control buttons for live view, door unlock, gate unlock, and talk function.

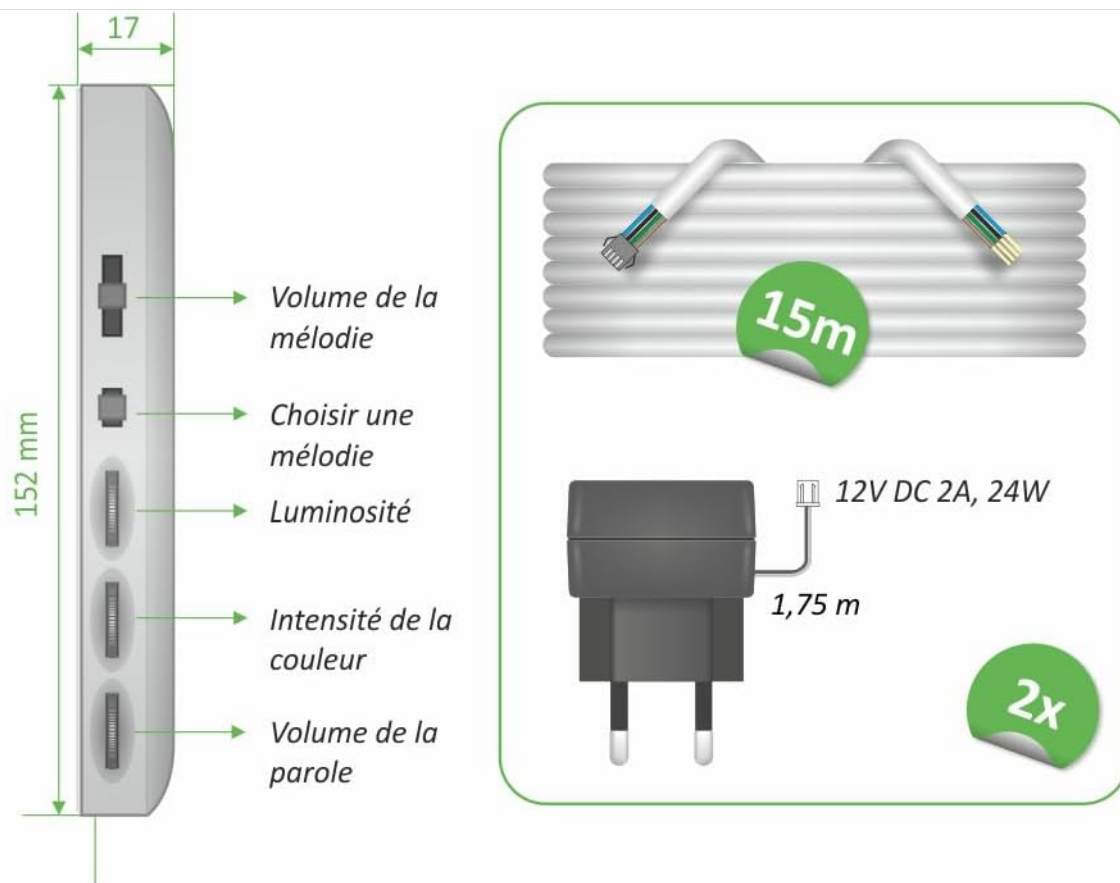


Figure 2.4: Side view of the indoor monitor, indicating adjustment controls for melody volume, melody selection, brightness, color intensity, and speech volume.

3. SETUP AND INSTALLATION

The installation process for the ELRO DV477IP2 is designed to be straightforward. Follow these steps carefully for proper setup.

3.1 Outdoor Unit Installation

1. **Choose Location:** Select a suitable outdoor location for the doorbell unit, ideally between 1.35 and 1.70 meters (approximately 4.4 to 5.6 feet) from the ground. Ensure it is protected from direct heavy rain, although the unit is waterproof.
2. **Mount Bracket:** Securely attach the outdoor unit's mounting bracket to the wall using the provided screws and anchors.
3. **Wiring:** Connect the 4-wire cable from the outdoor unit to the designated terminals on the indoor monitor. Ensure correct polarity as indicated in the wiring diagram (refer to the included paper manual for detailed diagrams).
4. **Attach Unit:** Mount the outdoor unit onto its bracket, ensuring it is firmly secured.

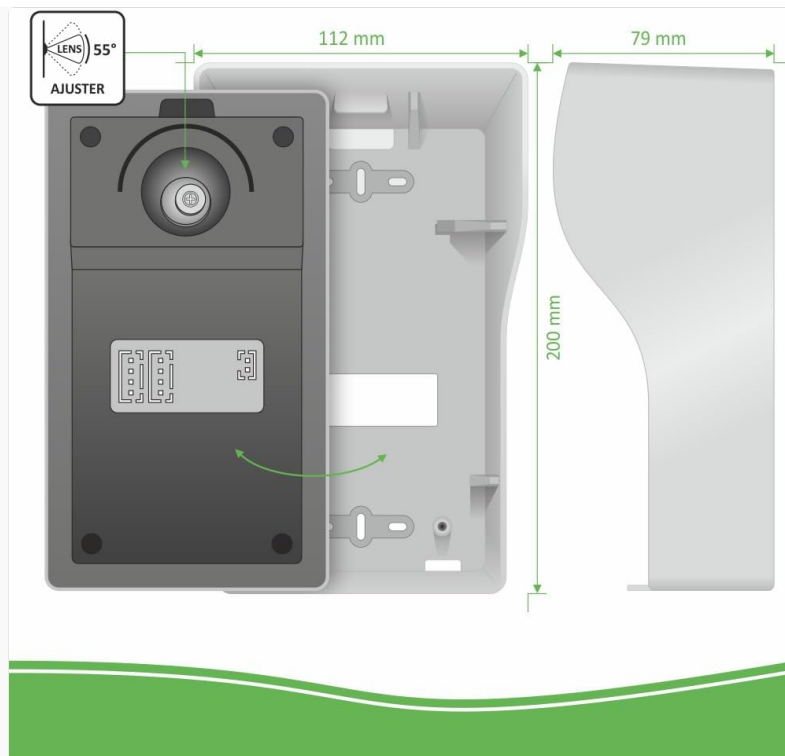


Figure 3.1: Outdoor unit dimensions and adjustable lens for optimal viewing angle (up to 55 degrees).

3.2 Indoor Monitor Installation

1. **Mount Bracket:** Attach the monitor mounting bracket to an indoor wall at a convenient viewing height.
2. **Connect Cables:** Connect the 4-wire cable from the outdoor unit to the indoor monitor. Also, connect the power adapter to the monitor and plug it into a power outlet.
3. **Attach Monitor:** Securely attach the monitor to its mounting bracket.

3.3 ELRO Intercom App Setup

1. **Download App:** Download the "ELRO Intercom" app from the App Store (iOS) or Google Play Store (Android).
2. **Connect to WiFi:** Ensure your indoor monitor is connected to your home WiFi network. This is crucial for app functionality.
3. **Pair Device:** Open the app and follow the on-screen instructions to pair your ELRO DV477IP2 system. This typically involves scanning a QR code displayed on the monitor or entering a device ID.
4. **Configuration:** Configure settings within the app, such as push notifications, recording preferences, and user access for each resident.



- 1
Allumez ou éteignez le microphone pour communiquer avec le visiteur.
- 2
Allumez ou éteignez le haut-parleur qui produit le son ambiant.
- 3
Prenez une photo.
- 4
Démarrage/arrêt de l'enregistrement vidéo.
- 5
Plein écran et retour.

Figure 3.2: Screenshot of the ELRO Intercom app interface, showing controls for microphone, speaker, photo capture, video recording, and full-screen mode.

4. OPERATING INSTRUCTIONS

This section details how to use your ELRO DV477IP2 system via both the indoor monitors and the smartphone app.

4.1 Using the Indoor Monitor

- **Receiving a Call:** When a visitor presses a doorbell button, the monitor will ring and display the live video feed from the outdoor unit.
- **Two-Way Communication:** Press the **Talk** button (phone icon) on the monitor to initiate two-way audio communication with the visitor. Press again to end the call.
- **Door/Gate Unlock:** Use the **Door Unlock** (key icon) or **Gate Unlock** (gate icon) buttons to remotely open compatible 12V door or gate openers (not included).
- **Live View:** Press the **Live View** button (person icon) to view the live feed from the outdoor unit at any time, even without a visitor.
- **Adjusting Settings:** Use the dials on the side of the monitor to adjust ringtone volume, select from 16 different melodies, and modify screen brightness and color intensity.

4.2 Using the ELRO Intercom App

- **Receiving Notifications:** When a visitor presses the doorbell, you will receive a push notification on your smartphone, allowing you to answer the call remotely.
- **Remote Communication:** From the app, you can see, hear, and speak with visitors. Use the microphone and speaker icons to control audio.
- **Photo and Video Capture:** The app allows you to take still photos or record short video clips of visitors directly to your smartphone's storage.
- **Door/Gate Control:** Remotely unlock compatible doors or gates via the app interface.
- **Multi-User Support:** The app can be configured for multiple users, allowing each resident to receive calls and manage their settings independently.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your ELRO DV477IP2 system.

- **Cleaning:** Wipe the outdoor unit and indoor monitors with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the surfaces.
- **Lens Cleaning:** Gently clean the camera lens on the outdoor unit with a microfiber cloth to ensure clear image quality.
- **Rain Hood:** Ensure the rain hood on the outdoor unit is free from debris and properly positioned to protect the camera lens.
- **Cable Inspection:** Periodically check all cables for any signs of wear or damage. Ensure connections remain secure.
- **Software Updates:** Keep the ELRO Intercom app updated to the latest version to benefit from new features and security enhancements.

6. TROUBLESHOOTING

If you encounter issues with your ELRO DV477IP2 system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on monitor/app.	Loose cable connection, power issue, camera obstruction.	Check all 4-wire cable connections. Ensure power adapters are plugged in. Clear any obstructions from the camera lens.
No audio or poor audio quality.	Microphone/speaker obstruction, volume settings, loose wiring.	Ensure microphone and speaker on both units are clear. Adjust volume settings on the monitor. Check audio wiring.
App not receiving notifications or connecting.	No WiFi connection, app permissions, incorrect pairing.	Verify monitor's WiFi connection. Check app permissions on your smartphone (notifications, local network access). Re-pair the device in the app if necessary. Ensure strong WiFi signal.
Door/gate unlock not working.	Incorrect wiring to opener, incompatible opener, power issue.	Verify wiring to the 12V door opener. Ensure the opener is compatible and has power. Consult a professional if unsure about wiring.
Poor night vision.	Obstructed LEDs, dirty lens.	Clean the camera lens and ensure the white LEDs are not obstructed.

If the problem persists after trying these solutions, please contact ELRO customer support.

7. SPECIFICATIONS

Feature	Detail
Model Number	DV477IP2







Feature	Detail
Brand	ELRO
Screen Size	2x 7-inch (18 cm) Color Display
Connectivity	Wired (4-wire cable), Wi-Fi (for app)
Video Resolution	720p
Night Vision	ELRO Color Night Vision (via white LEDs)
Audio	Two-way audio
Material	Brushed Aluminum (monitors), Full Metal (outdoor unit)
Power Supply	12 Volts (via included adapters)
Outdoor Unit Dimensions (L x W x H)	200 x 112 x 79 mm (approx.)
Monitor Dimensions (L x W x H)	21.5 x 15 x 2.5 cm (8.5 x 5.9 x 1.0 inches)
Weight	3.22 kg (total package)
Operating Temperature	Not specified (typical for outdoor electronics)

8. WARRANTY AND SUPPORT

ELRO products are designed for reliability and durability. For warranty information and technical support, please refer to the official ELRO website or the contact details provided in your product packaging.

For the latest app updates and FAQs, visit the ELRO Intercom app page on your respective app store.

[Visit ELRO Official Website](#)

	<p>ELRO DV477IP Series IP Video Door Intercom Manual</p> <p>Comprehensive manual for the ELRO DV477IP Series IP Video Door Intercom system, detailing installation, setup, features, and app integration with the ELRO Home Safe app for enhanced home security and communication.</p>
	<p>ELRO IP Video Door Intercom DV477IP Series Manual</p> <p>Comprehensive manual for the ELRO IP Video Door Intercom DV477IP Series, covering installation, setup, app pairing, and features. Includes specifications and safety instructions.</p>
	<p>ELRO DV477IP Series IP Video Door Intercom with 7-inch Monitor User Manual</p> <p>This user manual provides comprehensive instructions for installing, configuring, and using the ELRO DV477IP Series IP Video Door Intercom system. It covers setup, wiring, app integration, specifications, and safety guidelines for the DV477IP, DV477IP2, DV477IP3, DV477IP4, and DV477W-M models.</p>
	<p>ELRO DV4000 Series Video Door Intercom Manual</p> <p>Comprehensive manual for the ELRO DV4000 Series Video Door Intercom system, detailing installation, features, specifications, and safety instructions for models with a 7-inch monitor.</p>
	<p>ELRO DV477W Series Video Door Intercom System Manual</p> <p>User manual for the ELRO DV477W Series Video Door Intercom system, featuring a 7-inch monitor. Provides detailed instructions on installation, package contents, system specifications, wiring diagrams, safety precautions, and disposal information.</p>
	<p>ELRO DV477W Video Door Intercom System User Manual</p> <p>User manual for the ELRO DV477W Wired Video Door Intercom System, detailing installation, features, and specifications for the 7" monitor and outdoor unit.</p>

